

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 62234302
PUBLICATION DATE : 14-10-87

APPLICATION DATE : 30-10-85
APPLICATION NUMBER : 60243514

APPLICANT : KANEGAFUCHI CHEM IND CO LTD;

INVENTOR : SAKAUCHI TADAFUMI;

INT.CL. : H01F 1/08 B22F 1/02

TITLE : FIRERETARDANT RESIN MAGNET

ABSTRACT : PURPOSE: To enable flameproofing by coating the surface of alloy magnet powder with an oxidation-resistant film.

CONSTITUTION: In a resin magnet obtained by molding a composition consisting of alloy magnet powder mainly comprising a rare earth metal and cobalt, a flame retardant and an organic high molecular binder, the surface of alloy magnet powder is coated with an oxidation-resistant film. Rare earth alloy magnet powder mainly comprises samarium, cerium, yttrium and other rare earth metals and cobalt, and a powder magnet is acquired by pulverizing an alloy containing zirconium, copper, iron and others as required. Nickel, chromium, other oxidation-resistant metals, low melting-point glass, other inorganic oxides, polyimide, polyphenylene, other heat-resistant high-molecular compounds, etc. are used as a coating. Accordingly, the fireretardant resin magnet having largely improved flame resistance is obtained.

COPYRIGHT: (C)1987,JPO&Japio